

**COMPARISON OF BENEFITS, COSTS AND IMPACTS  
FOR ALTERNATIVES STUDIED IN DETAIL  
2020 Peninsula Gateway Corridor Study**

ID Code	Alternative	Location	Traffic Benefits				Cost Estimate Summary (2006\$)				Potential Environmental Impacts by Alternative				
			Change in Vehicle Hours of Travel  (Typical weekday, 6 a.m. to 6 p.m.)		Decrease commute traffic on residential streets?  (Expressed change in peak period traffic volume)		Construction Cost	Right-of-Way Cost	Support Cost	Total Project Cost	Visual/Aesthetics	Noise	Biological Resources	Right-of-Way	Other Issues
					Clarke	Pulgas									
1	Route 101 Auxiliary Lanes	MV, PA	-1,158		-200 (-10%)	-100 (-10%)	\$57 M	\$20 M	\$28 M	\$105 M	Negligible Impacts	Minimal Impact	Possible impact at crossing of Adobe & Matadero Creeks	One building may be impacted at 101/San Antonio interchange	Would likely qualify for an Mitigated Negative Declaration
2	Route 101 Elevated Express Lanes	MV, PA, EPA, MP, RC	-18,402		0	0	\$900 M	\$80 M	\$230 M	\$1,210 M	Significant and unmitigable impact	Less than significant impact given soundwalls would be built on elevated structure	Possible impact at crossing of Adobe & Matadero Creeks	Minimal impact; no acquisition of businesses or residences	Major environmental issues; strong opposition likely; full EIR required
3	Grade Separations on Bayfront Expressway	EPA, MP	-6,785		+200 (+10%)	+100 (+10%)	\$180 M	\$67 M	\$86 M	\$333 M	Less-than-significant impact	Less-than-significant impact	Impacts to wetlands at edge of Bay	Reconfiguration of access and parking at Sun Microsystems	Would impact recreational trail along Bayfront; BCDRC permit needed; full EIR likely required
4	Short-term operational improvements on Willow Road	EPA, MP	minor		minor	minor	\$0.09 M	\$0 M	\$0.03 M	\$0.12 M	None	None	None	None	Would likely qualify for a Categorical Exemption
6	Willow Road Elevated Express Lanes	EPA, MP	-6,311		-100 (-5%)	-100 (-10%)	\$96 M	\$33 M	\$46 M	\$175 M	Significant and unmitigable impact	Significant impact; would require soundwalls on elevated structure	Less-than-significant impact	Minimal impact; no acquisition of businesses or residences	Major environmental issues; strong opposition likely; full EIR required
7	Willow Road Depressed/Cantilevered Express Lanes	EPA, MP	Same as Alt 6		Same as Alt 6	Same as Alt 6	\$230 M	\$33 M	\$110 M	\$373 M	Less-than-significant impact	Less-than-significant impact	Less-than-significant impact	Minimal impact; no acquisition of businesses or residences	Would impact Hetchy pipelines; presence of Bay mud will affect trench design/cost; trench will need a system for dewatering of storm water & groundwater; full EIR may be required
8	Short-term operational improvements on University Avenue	EPA	minor		minor	minor	\$0.18 M	\$0 M	\$0.09 M	\$0.27 M	None	None	None	None	Would likely qualify for a Categorical Exemption

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						Construction Cost	Right-of-Way Cost	Support Cost	Total Project Cost	Visual/Aesthetics	Noise	Biological Resources	Right-of-Way	Other Issues
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9	University Avenue Depressed/Cantilevered Express Lanes	EPA	1,260		-200 (-10%)      -200 (-20%)	\$440 M	\$64 M	\$200 M	\$704 M	Less-than-significant impact	Less-than-significant impact	Some impact to wetlands at edge of Bay	Minimal impact; no acquisition of businesses or residences	Would impact Hetchy pipelines; presence of Bay mud will affect trench design/cost; trench will need a system for dewatering of storm water & groundwater; full EIR may be required

Location Key:	
EPA	East Palo Alto
MP	Menlo Park
MV	Mountain View
PA	Palo Alto
RC	Redwood City